

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 08/448,727A  
Source: IFW16  
Date Processed by STIC: 07-18-2005

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 07/18/2005

PATENT APPLICATION: US/08/448,727A

TIME: 14:13:09

Input Set : A:\54113.8009.US00.txt

Output Set: N:\CRF4\07182005\H448727A.raw

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3 <110> APPLICANT: Amgen Inc.
4      Burnette, Walter N.
6 <120> TITLE OF INVENTION: MODIFIED PERTUSSIS TOXIN
8 <130> FILE REFERENCE: 54113.8009.US00
10 <140> CURRENT APPLICATION NUMBER: 08/448,727A
11 <141> CURRENT FILING DATE: 1995-05-24
13 <150> PRIOR APPLICATION NUMBER: US 08/034,460
14 <151> PRIOR FILING DATE: 1993-03-18
16 <150> PRIOR APPLICATION NUMBER: US 07/232,482
17 <151> PRIOR FILING DATE: 1988-08-17
19 <150> PRIOR APPLICATION NUMBER: US 07/094,307
20 <151> PRIOR FILING DATE: 1987-09-04
22 <160> NUMBER OF SEQ ID NOS: 27
24 <170> SOFTWARE: PatentIn version 3.3
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27 <211> LENGTH: 12
28 <212> TYPE: DNA
29 <213> ORGANISM: Artificial
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Synthesized oligodeoxynucleotide
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40 <212> TYPE: DNA
41 <213> ORGANISM: Artificial
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44 <223> OTHER INFORMATION: Synthesized oligodeoxynucleotide
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51 <211> LENGTH: 10
52 <212> TYPE: DNA
53 <213> ORGANISM: Artificial
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58 <400> SEQUENCE: 3
59 cgatttgatt                                         10
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63 <211> LENGTH: 12
64 <212> TYPE: DNA
65 <213> ORGANISM: Artificial
67 <220> FEATURE:

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68 <223> OTHER INFORMATION: Synthesized oligodeoxynucleotide
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71 taaactaaga tc 12
74 <210> SEQ ID NO: 5
75 <211> LENGTH: 46
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial
79 <220> FEATURE:
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82 <400> SEQUENCE: 5
83 ctagaaggaa ggaataacat atggttaacg cgttggaatt cggtac 46
86 <210> SEQ ID NO: 6
87 <211> LENGTH: 38
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Synthesized oligodeoxynucleotide
94 <400> SEQUENCE: 6
95 ttccttcctt attgtatacc aattgcgcaa ccttaage 38
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99 <211> LENGTH: 12
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial
103 <220> FEATURE:
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106 <400> SEQUENCE: 7
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110 <210> SEQ ID NO: 8
111 <211> LENGTH: 14
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial
115 <220> FEATURE:
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118 <400> SEQUENCE: 8
119 acgcaagatg agcc 14
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123 <211> LENGTH: 24
124 <212> TYPE: DNA
125 <213> ORGANISM: Artificial
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135 <211> LENGTH: 24
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial
139 <220> FEATURE:
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160 <212> TYPE: DNA
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172 <212> TYPE: DNA
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179 atacaagtat gactcccgcc cg                                22
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195 <211> LENGTH: 22
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197 <213> ORGANISM: Artificial
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209 <213> ORGANISM: Artificial
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212 <223> OTHER INFORMATION: Synthesized oligodeoxynucleotide
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227 ataccgctat gacggccgcc cg	22
230 <210> SEQ ID NO: 18	
231 <211> LENGTH: 24	
232 <212> TYPE: DNA	
233 <213> ORGANISM: Artificial	
235 <220> FEATURE:	
236 <223> OTHER INFORMATION: Synthesized oligodeoxynucleotide	
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239 tggcgatact gccggcgggc ggcc	24
242 <210> SEQ ID NO: 19	
243 <211> LENGTH: 22	
244 <212> TYPE: DNA	
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251 ataccgctat gactccaagc cg	22
254 <210> SEQ ID NO: 20	
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266 <210> SEQ ID NO: 21	
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268 <212> TYPE: DNA	
269 <213> ORGANISM: Artificial	
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275 attggaatat gactcccgcc cg	22
278 <210> SEQ ID NO: 22	
279 <211> LENGTH: 24	
280 <212> TYPE: DNA	
281 <213> ORGANISM: Artificial	
283 <220> FEATURE:	
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287 accttatact gagggcgggc ggcc	24

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290 <210> SEQ ID NO: 23
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292 <212> TYPE: DNA
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298 <400> SEQUENCE: 23
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302 <210> SEQ ID NO: 24
303 <211> LENGTH: 24
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial
307 <220> FEATURE:
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310 <400> SEQUENCE: 24
311 tggtgatact gccggcgggc ggcc                                24
314 <210> SEQ ID NO: 25
315 <211> LENGTH: 22
316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial
319 <220> FEATURE:
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334 <400> SEQUENCE: 26
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339 <211> LENGTH: 235
340 <212> TYPE: PRT
341 <213> ORGANISM: Bordetella pertussis
343 <400> SEQUENCE: 27
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346 1          5          10          15
349 Asp Val Phe Gln Asn Gly Phe Thr Ala Trp Gly Asn Asn Asp Asn Val
350          20          25          30
353 Leu Asp His Leu Thr Gly Arg Ser Cys Gln Val Gly Ser Ser Asn Ser
354          35          40          45
357 Ala Phe Val Ser Thr Ser Ser Arg Arg Tyr Thr Glu Val Tyr Leu
358          50          55          60
361 Glu His Arg Met Gln Glu Ala Val Glu Ala Glu Arg Ala Gly Arg Gly
362 65          70          75          80
365 Thr Gly His Phe Ile Gly Tyr Ile Tyr Glu Val Arg Ala Asp Asn Asn
366          85          90          95

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 07/18/2005  
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Input Set : A:\54113.8009.US00.txt  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26

**VERIFICATION SUMMARY**

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